## WHAT IS CLAIMED IS:

1.	A١	chemical	vapor	deposition	system	comp	rising
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a housing that defines an enclosed deposition chamber and includes a lower portion and an upper portion having a horizontal junction with each other; a seal assembly that extends between the lower and upper housing portions at their horizontal junction;

a roll conveyor located within the deposition chamber to convey glass sheet substrates along a direction of conveyance at a plane of conveyance below the horizontal junction of the lower and upper housing portions where the seal assembly is located;

a chemical vapor distributor located within the deposition chamber above the roll conveyor to provide chemical vapor deposition of a coating on the conveyed glass sheet substrates;

the housing including an entry through which the glass sheet substrates to be coated are introduced into the deposition chamber at a location below the horizontal junction of the lower and upper housing portions where the seal assembly is located; and

the housing including an exit through which the coated glass sheet substrates leave the deposition chamber at a location below the horizontal junction of the lower and upper housing portions where the seal assembly is located.

2. A chemical vapor deposition system as in claim 1 further including a vacuum source for drawing a vacuum within the deposition chamber, the seal assembly between the lower and upper housing portions including inner and outer seal members spaced from each other to define an intermediate seal space that is located between the deposition chamber and the ambient and in which a vacuum is drawn to a lesser extent than in the deposition chamber, and a sensor for detecting the pressure within the seal space to sense leakage of either the inner seal member or the outer seal member.

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3. A chemical vapor deposition system as in claim 2 wherein the seal assembly includes lower and upper seal flanges on the lower and upper housing portions, the inner and outer seal members extending between the lower and upper seal flanges to seal between the lower and upper housings, and clamps that extend between the lower and upper seal flanges to secure the upper housing portion to the lower housing portion.

- 4. A chemical vapor deposition system as in claim 3 wherein each clamp includes a hydraulic cylinder that provides the securement between the lower and upper seal flanges.
  - 5. A chemical vapor deposition system as in claim 1 including an oven located within the housing and having elongated heaters that extend along the direction of conveyance in laterally spaced banks to heat the conveyed glass sheet substrates and control temperature differentials of the substrates laterally with respect to the direction of conveyance.
  - 6. A chemical vapor deposition system as in claim 5 wherein each elongated heater includes an electric resistance element through which electricity is passed to provide heating and each heater including an elongated quartz tube through which the electric resistance element extends.
- 7. A chemical vapor deposition system as in claim 5 wherein the roll conveyor includes rolls that extent through the oven and have ends projecting outwardly therefrom within the housing, and a drive mechanism that rotatively drives the roll ends outwardly of the oven within the housing.
- 1 8. A chemical vapor deposition system as in claim 7 further 2 including a screen that is located below the roll conveyor to catch any broken glass 3 sheet substrates.
- 9. A chemical vapor deposition system 6 wherein the screen is made of stainless steel and includes stiffeners.

10. A chemical vapor deposition system comprising.				
a housing that defines an enclosed deposition chamber and includes				
a lower portion and an upper portion having a horizontal junction with each other,				
and the lower and upper housing portions respectively having lower and upper seal				
flanges at the horizontal junction of the lower and upper housing portions;				
a vacuum source for drawing a vacuum within the deposition				
chamber;				
a seal assembly having inner and outer seal members that extend				
between the lower and upper seal flanges of the lower and upper housing portions				
at their horizontal junction to seal therebetween, and the inner and outer seal				
members being in spaced from each other to define an intermediate seal space in				
which a vacuum is drawn between the deposition chamber and the ambient;				
a sensor for detecting the pressure within the seal space to sense				
leakage of either the inner seal member or the outer seal member;				
a roll conveyor located within the deposition chamber to convey glass				
sheet substrates along a direction of conveyance at a plane of conveyance below the				
horizontal junction of the lower and upper housing portions where the seal assembly				
is located;				
a chemical vapor distributor located within the deposition chamber				
above the roll conveyor to provide chemical vapor deposition of a coating on the				
conveyed glass sheet substrates;				
the housing including an entry through which the glass sheet				
substrates to be coated are introduced into the deposition chamber at a location				
below the horizontal junction of the lower and upper housing portions where the				
seal assembly is located; and				
the housing including an exit through which the coated glass sheet				
substrates leave the deposition chamber at a location below the horizontal junction				
of the lower and upper housing portions where the seal assembly is located.				
11. A chemical vapor deposition system comprising:				
a housing that defines an enclosed deposition chamber and includes				
a lower portion and an upper portion having a horizontal junction with each other,				

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and the lower and upper housing portions respectively having lower and upper seal 4 flanges at the horizontal junction of the lower and upper housing portions; 5 a vacuum source for drawing a vacuum within the deposition 6 chamber; 7 a seal assembly, having inner and outer seal members that extend 8 between the lower and upper soal flanges of the lower and upper housing portions 9 at their horizontal junction to seal therebetween, and the inner and outer seal 10 members being in spaced from each other to define an intermediate seal space in 11 which a vacuum is drawn between the deposition chamber and the ambient; 12 a sensor for detecting the pressure within the seal space to sense 13 leakage of either the inner seal member or the outer seal member; 14 a roll conveyor located within the deposition chamber and having 15 rolls for conveying glass sheet substrates along a direction of conveyance at a plane 16 of conveyance below the horizontal junction of the lower and upper housing 17 portions where the seal assembly is located; 18 an oven located within the housing with the roll conveyor conveying 19 the glass sheet substrates therethrough, the oven having elongated heaters that 20 extend along the direction of conveyance in laterally spaced banks to heat the 21 conveyed glass sheet substrates and control temperature differentials of the 22 substrates laterally with respect to the direction of conveyance, and each elongated 23 heater including an electric resistance/element through which electricity is passed 24 to provide heating and each heater including an elongated quartz tube through which 25 the electric resistance element extends; 26 a chemical vapor distributor located within the deposition chamber 27 above the roll conveyor to provide chemical vapor deposition of a coating on the 28 conveyed glass sheet substrates; 29 the housing including an entry through which the glass sheet 30 substrates to be coated are introduced into the deposition chamber at a location 31 below the horizontal junction of the lower and upper housing portions where the 32 seal assembly is located; and 33 the housing including an exit through which the coated glass sheet 34

substrates leave the deposition chamber at a location below the horizontal junction

of the lower and upper housing portions where the seal assembly is located.

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1	12. A chemical vapor deposition system comprising:
2	a housing that defines an enclosed deposition chamber and includes
3	a lower portion and an upper portion having a horizontal junction with each other,
4	and the lower and upper housing portions respectively having lower and upper seal
5	flanges at the horizontal junction of the lower and upper housing portions;
6	a vacuum source for drawing a vacuum within the deposition
7	chamber;
8	a seal assembly having inner and outer seal members that extend
9	between the lower and upper seal flanges of the lower and upper housing portions
10	at their horizontal junction to seal therebetween, and the inner and outer seal
11	members being in spaced from each other to define an intermediate seal space in
12	which a vacuum is drawn between the deposition chamber and the ambient;
13	clamps that each include a hydraulic cylinder for securing the lower
14	and upper seal flanges to each other;
15	a sensor for detecting the pressure within the seal space to sense
16	leakage of either the inner seal member or the outer seal member;
17	a roll conveyor located within the deposition chamber and having
18	rolls for conveying glass sheet substrates along a direction of conveyance at a plane
19	of conveyance below the horizontal junction of the lower and upper housing
20	portions where the seal assembly is located;
21	a screen located below the roll conveyor to catch any broken glass
22	sheet substrates;
23	an oven located within the housing with the roll conveyor conveying
24	the glass sheet substrates therethrough, the oven having elongated heaters that
25	extend along the direction of conveyance in laterally spaced banks to heat the
26	conveyed glass sheet substrates and control temperature differentials of the
27	substrates laterally with respect to the direction of conveyance, and each elongated
28	heater including an electric resistance element through which electricity is passed
29	to provide heating and each heater including an elongated quartz tube through which

the electric resistance element extends;

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a chemical vapor distributor located within the deposition chamber above the roll conveyor to provide chemical vapor deposition of a coating on the conveyed glass sheet substrates;

the housing including an entry through which the glass sheet substrates to be coated are introduced into the deposition chamber at a location below the horizontal junction of the lower and upper housing portions where the seal assembly is located; and

the housing including an exit through which the coated glass sheet substrates leave the deposition chamber at a location below the horizontal junction of the lower and upper housing portions where the seal assembly is located.